

maximum storage height of 30 feet in a storage area having a maximum ceiling height of 35 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 and a minimum design flowing pressure of about 20 pounds per square inch at the most remote sprinkler.--

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--23. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 35 feet in a storage area having a maximum ceiling height of 40 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 and a minimum design flowing pressure of about 25 pounds per square inch at the most remote sprinkler.--

--24. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 40 feet in a storage area having a maximum ceiling height of 45 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 and a minimum design flowing pressure of about 40 pounds per square inch at the most remote sprinkler.--

Please amend claim 2, as follows

Sub 6
3
--2. (Amended) The early suppression fast response pendent-type fire protection sprinkler of claim 1, 22, 23 or 24, further comprising:

a sprinkler body defining an orifice and an outlet for delivering a flow of fluid from a source, and

a deflector mounted with a first surface opposed to flow of fluid from the outlet, said deflector defining at least two reentrant slots disposed in opposition about a deflector axis, said reentrant slots extending from said first surface through said deflector, and said reentrant slots extending from slot openings at an outer peripheral edge of said deflector inwardly from said peripheral edge toward said deflector axis.--

Please amend claim 7, as follows:

Sub 152
AK
--7. (Amended) The early suppression fast response pendent-type fire protection sprinkler of claim 1, 22, 23 or 24, further comprising a deflector, and wherein said sprinkler is suited for installation with said deflector disposed up to 18 inches below a ceiling.--

Please amend claim 8, as follows:

Sub 152
AS
--8. (Amended) The early suppression fast response pendent-type fire protection sprinkler of claim [1] 2, wherein said deflector has a thickness measured from said first surface in the direction of fluid flow equal to or greater than about 0.06 inch.--

Please amend claim 21, as follows:

Sub 152
W 6
--21. (Amended) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage, having a maximum storage height of 25 feet in a storage area having a maximum ceiling height of 30 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 or more and a minimum design flowing pressure of about 15 pounds per square inch at the most remote sprinkler.--

Please add the following new claims:

Sub 152
W 7
--25. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 30 feet in a storage area having a maximum ceiling height of 35 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 or more and a minimum design flowing pressure of about 20 pounds per square inch at the most remote sprinkler.--

--26. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 35 feet in a storage area having a maximum ceiling height of 40 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 or

more and a minimum design flowing pressure of about 25 pounds per square inch at the most remote sprinkler.--

--27. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 40 feet in a storage area having a maximum ceiling height of 45 feet, with no open containers and no solid shelves, said sprinkler having a K-factor of about 25 or more and a minimum design flowing pressure of about 40 pounds per square inch at the most remote sprinkler.--

--28. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 25 feet in a storage area having a maximum ceiling height of 30 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 15 pounds per square inch at the most remote sprinkler.--

--29. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 30 feet in a storage area having a maximum ceiling height of 35 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 20 pounds per square inch at the most remote sprinkler.--

--30. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 35 feet in a storage area having a maximum ceiling height of 40 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 25 pounds per square inch at the most remote sprinkler.--

--31. (New) An early suppression fast response pendent-type fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a

maximum storage height of 40 feet in a storage area having a maximum ceiling height of 45 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 40 pounds per square inch at the most remote sprinkler.--

--32. (New) An early suppression fast response fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 25 feet in a storage area having a maximum ceiling height of 30 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 15 pounds per square inch at the most remote sprinkler.--

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--33. (New) An early suppression fast response fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 30 feet in a storage area having a maximum ceiling height of 35 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 20 pounds per square inch at the most remote sprinkler.--

--34. (New) An early suppression fast response fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 35 feet in a storage area having a maximum ceiling height of 40 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 25 pounds per square inch at the most remote sprinkler.--

--35. (New) An early suppression fast response fire protection sprinkler suitable for use in accordance with one or more of NFPA 13, NFPA 231 and NFPA 231C, to protect single row rack storage, double row rack storage and multiple row rack storage having a maximum storage height of 40 feet in a storage area having a maximum ceiling height of 45 feet, with no open containers and no solid shelves, said sprinkler having a minimum design flowing pressure of about 40 pounds per square inch at the most remote sprinkler.--